

CLAIMS

What is claimed is:

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1. A method comprising:
receiving a list a properties associated with storage;
choosing one or more of said properties to build an expression;
evaluating said expression to determine a pool of storage; and
selecting a piece of storage having characteristics defined by the storage properties
in the expression.
 2. The method of claim 1 wherein receiving is done by a database administrator
(DBA).
 3. The method of claim 1 wherein choosing is done by a database administrator
(DBA).
 4. The method of claim 1 wherein choosing further comprises choosing a logical
operator to include in the expression.
 5. The method claim 2 further comprising determining if all the properties received
by the database administrator are all of the properties wanted by the database
administrator.
 6. The method of claim 5 further comprising in response to all the properties
received by the database administrator not being all of the properties desired by the
database administrator, adding a property desired by the database administrator.
 7. The method of claim 6 wherein selecting properties and operators to build an
expression comprises selecting at least one new property to build the expression.

FIG. 20

- 1 8. The method of claim 1 wherein said step of evaluating is done by a storage
2 administrator (SA).
- 1 9. The method of claim 1 wherein selecting is done by a storage administrator (SA).
- 1 10. The method of claim 1 further comprising validating the storage for operation.
- 1 11. The method of claim 10 further comprising in response to the validating,
2 indicating that when there is not enough storage for an operation providing an indication
3 that the operation can not be carried out.
- 1 12. The method of claim 10 wherein in response to the validating indicating that there
2 is enough storage for operation, then completing the operation.
- 1 13. The method of claim 10 wherein in response to the validating indicating that there
2 is not enough storage to complete the operation, then performing the operation with the
3 storage which is available.
- 1 14. The method of claim 10 wherein the response to the validating indicating that
2 there is not enough storage to complete the operation then searching for more storage.
- 1 15. The method of claim 1 further comprising:
2 assigning one or more storage properties to one or more pieces of storage; and
3 associating at least one storage property with at least one piece of storage.
- 1 16. The method of claim 15 wherein said assigning is done by a storage
2 administrator (SA).
- 1 17. The method of claim 15 wherein said associating is done by a storage
2 administrator (SA).

1 18. The method of claim 1 further comprising generating one or more storage
2 properties.

1 19. The method of claim 1 further comprising of identifying one or more properties to
2 associate with a plurality of specific storage devices.

1 20. The method of claim 1 wherein the storage is not physical storage.

1 21. The method of claim 18 wherein generating properties comprises generating user-
2 defined storage properties.

1 22. The method of claim 16 wherein the system administrator determines if any of the
2 system is identified as hands-off storage.

1 23. The method of claim 16 wherein the system administrator determines if any of the
2 storage is identified as can-use storage.

1 24. The method of claim 1 wherein said steps of receiving, choosing, evaluating and
2 selecting are performed as part of an information recovery operation.

1 25. A method of generating a storage pool comprising:
2 assigning one or more storage properties to one or more pieces of storage; and
3 associating at least one storage property with at least one piece of storage.

1 26. The method of claim 25 further comprising generating one or more storage
2 properties.

1 27. The method of claim 25 wherein said assigning and associating is performed by a
2 storage administrator (SA).

1 28. The method of claim 25 further comprising identifying one or more properties to
2 associate with a plurality of specific storage devices.

1 29. The method of claim 25 wherein the storage is not physical storage.

1 30. The method of claim 26 wherein generating properties comprises generating user-
2 defined storage properties.

1 31. The method of claim 27 wherein the system administrator determines if any of the
2 system is identified as hands-off storage.

1 32. The method of claim 27 wherein the system administrator determines if any of the
2 storage is identified as can-use storage.

33. The method of claim 25 wherein said steps of assigning and associating are
5 performed as part of an information recovery operation.

5 34. A method comprising the steps of:
1 receiving a list a properties in a data-base administrator (DBA); and
2 selecting one or more properties to build an expression.
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1 35. The method of claim 33 wherein selecting properties further comprises selecting a
2 logical operator to include in the expression.

1 36. The method claim 35 further comprising determining if all the properties received
2 by the database administrator are all of the properties wanted by the data-base
3 administrator.

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37. The method of claim 36 further comprising in response to all the properties received by the database administrator not being all of the properties desired by the database administrator, adding a property desired by the database administrator.

38. The method of claim 37 wherein selecting properties and operations to build an expression comprises selecting at least one new property to build the expression.

39. The method of claim 34 wherein said steps of receiving and selecting are performed as part of an information recovery operation.

40. A method comprising:
evaluating an expression to determine a pool storage; and
selecting a piece of storage having characteristics defined by storage properties in the expression.

41. The method of claim 40 further comprising validating the storage for operation.

42. The method of claim 41 further comprising in response to the validating step indicating that when there is not enough storage for an operation, providing an indication that the operation cannot be carried out.

43. The method of claim 41 wherein in response to the validation indicating that there is enough storage for operation, then completing the operation.

44. The method of claim 41 wherein in response to the validation indicating that there is not enough storage to complete the operation, then performing the operation with the storage which is available.

45. The method of claim 41 wherein in response to validation step indicating that there is not enough storage to complete the operation, then searching for more storage.

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